

THE IMMIGRATION OF LEPIDOPTERA TO THE BRITISH ISLES IN 1999

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Abstract

Formally accepted records of immigrant Lepidoptera occurring in the British Isles during the year 1999 are listed and discussed. For less frequently encountered species full information is given; for common immigrants a selection of the more important records is presented.

Introduction

Migrant activity was very quiet during the first half of the year. The only notable events were the capture of the fifth British record of the Eastern Bordered Straw *Heliothis nubigera* (H.-S.), in South Devon in January and the unusual number of Blossom Underwing *Orthosia miniosa* (D.& S.) noted from coastal localities and other sites where it is not known to be resident. Over sixty specimens were reported from Cornwall and along the coast to Norfolk and these were considered to be possible migrants although no past evidence exists to suggest this species is migratory.

There was a slight improvement in the remainder of the 1999 season, but no record numbers of either the rare or common migrant species were reported. The few highlights included single examples of the Egyptian Bollworm *Earias insulana* (Boisd.) from Dorset and the Spiny Bollworm *E. biplaga* (Walk.) from Kent, both being the third records for Britain. During the first week of August singleton specimens of the Spotted Clover *Schinia scutosa* (D.& S.) occurred in Kent and Yorkshire. This is a real rarity and only two others have been recorded in this decade. Only three specimens of *Sclerocona acutellus* (Evers.) have been recorded in the past, so the three from South Devon constituted a best annual total record. At the time it prompted the speculation that this species, first seen in 1988, might be resident, but the absence of further records in 2000 and 2001 has proved otherwise. It has also been suggested that the pupae may have been introduced with thatching reed from Hungary or elsewhere in eastern Europe.

The only new macromoth for the year was the Oak Rustic *Dryobota labecula* (Esp.). Two male specimens were taken in the Autumn at light at Freshwater, Isle of Wight. This species is a recent colonist to the Channel Islands and its appearance and hopefully its eventual residency in England was predicted.

Recent work on the *Dioryctria* species has shown that a fourth species, *sylvestrella* (Ratz.) has also occurred in Britain, probably as an immigrant. Articles formally adding the species to the British list are in press, but specimens identified from 1999 are included in this account.

Guidelines for contributors

The number of contributors continues to rise year after year, and the increased coverage of migrant activity is very welcome. However, this increased coverage brings with it an increased workload in compiling the records, together with the increased chance of introducing errors. The following guidelines should help you to help us.

Separate years' contributions should not be combined. Data should include species, site, vice-county and recorder, together with stage, if not adult, and other information such as numbers or behaviour. The date of trapped moths must be the date on which the relevant night begins, not the following day. This is a universally accepted convention and failure to follow it leads to considerable confusion. County recorders, or others, submitting large numbers of records could help by sorting the records into species order then vice-county order then date order (as in the following account); this should be a simple procedure if records are held on a database. Finally, contributions are welcomed by e-mail (address above), preferably as an attachment.

Abbreviations

E	Exotic introduction/escape
I	Primary immigrant
In	Introduction (including importations)
R	Resident
R(t)	Temporary resident
V	Vagrant/wanderer

ANNEX 1: RECORDS OF SCARCER SPECIES

CHOREUTIDAE

Tebenna micalis (Mann) [I/R(t)]

S. DEVON [3] Chudleigh Knighton Heath, 29.8 (RJH).

YPONOMEUTIDAE

Yponomeuta rorrella (Hb.) [I?]

E. NORFOLK [27] Barton Broad, 5.8 (P. Heath per DH).

OECOPHORIDAE

Ethmia bipunctella (Fab.) [V?]

DORSET [9] Portland Bird Observatory, 31.7 (MC).

TORTRICIDAE

Eupoecilia ambiguella (Hb.) [I?]

DORSET [9] Portland, 31.5, 1.8 (2) (MC).

Crociosema plebejana Zeller [I/V]

S.E. YORK [61] Kilnsea, 14.10 (DPB).

Cydia amplana (Hb.) [I]

S.E. YORK [61] Spurn, 3.8 (BRS).

PYRALIDAE***Euchromius ocella* (Haw.) [I]**

W. CORNWALL [1] Porth St Agnes, 21.1 (Tremewan *in* Tunmore, 2000c). W. SUSSEX [13] Walberton, 21.9 (JTR). E. KENT [15] Kingsgate, 5.9 (Solly, 2000).

***Haimbachia cicatricella* (Hb.) [I]**

E. KENT [15] Dungeness, 31.7 (BB/SB).

***Platytes alpinella* (Hb.) [I?/R?/V?]**

DORSET [9] Portland Bird Observatory, 24.8 (2) (MC). SURREY [17] Wimbledon Common, 17.7 (BS/MSP/GAC).

***Evergestis extimalis* (Scop.) [I?/R?]**

OXON [23] Henley-on-Thames, 20.7 (DJW).

***Evergestis limbata* (L.) [I?/R(t)?]**

E. KENT [15] Lydd, 7.7 (1st Kent record) (KR).
CHANNEL ISLANDS Guernsey: Mount Durand, 24.8 (R. Austin).

***Hellula undalis* (Fab.) [I]**

W. CORNWALL [1] Cury, 10.9 (C. Hart *in* Tunmore, 2000b). E. KENT [15] Dymchurch, 19.9 (JO); New Romney, 20.9 (KR).

***Loxostege sticticalis* (L.) [I?]**

E. NORFOLK [27] Hainford, 12.8 (DH).

***Uresiphita polygonalis* (D. & S.) [I]**

IOW [10] Freshwater, 31.10 (SAKJ).

***Sitochroa palealis* (D. & S.) [I?/R?]**

S. DEVON [3] Torquay, 8.7 (2), 9.8 (BD). DORSET [9] Portland, 2.7 (2), 13.7, 17.7 (MC); Maiden Castle, Dorchester, 23.7 (JHC); Portland Bird Observatory, 25.7, 5.8 (MC). IOW [10] Binstead, 22.6-2.8 (4) (BJW); Freshwater, 30.7, 4.8 (SAKJ). S. HANTS [11] Southsea, 17.7 (I. Thirwell per BG). E. KENT [15] Kingsgate, 7.7 (Solly, 2000). SURREY [17] Howell Hill, Ewell, 28.7; South Croydon, 28.7 (GAC). S. ESSEX [18] Langdon Hills, 16.7 (PH). N. ESSEX [19] Dovercourt, 4.7 (BG), 17.7 (CG); Kirby-le-Soken, Mistley, 17.7 (ICR), 17.7 (PBe); Walton-on-Naze, 31.7 (10) (PS). BUCKS [24] College Lake, 17.7 (J. Lovell per BG). BEDFORD [30] Maulden Woods, 17.7 (V. Arnold per BG).

***Sitochroa verticalis* (L.) [I?/R?]**

S. ESSEX [18] Tilbury Power Station, 12.8 (PH). N. ESSEX [19] Dovercourt, 22.9 (CG).

***Sclerocona acutellus* (Evers.) [I]**

S. DEVON [3] Exeter, 13.6, 14.6, 5.7 (PBu).

***Ostrinia nubilalis* (Hb.) [I?/R?]**

S. DEVON [3] Exeter, 19.6, 7.7 (PBu); Starcross, 30.6, 19.7 (AHD); Abbotskerswell, 30.7, 10.9 (BPH); Buckfastleigh, 10.9 (B&LS). DORSET [9] Portland Bird Observatory, 10-21.9 (16) (MC). IOW [10] Binstead, 12.7-16.9 (6) (BJW); Freshwater, 1.8, 10.9 (2), 11.9 (2) (SAKJ). S. HANTS [11] Hayling Island, 4-15.9 (14) (Phillips, 2000). N. HANTS [12] Selborne, 11.9 (AA). E. SUSSEX [14] Icklesham, 8.7-11.9 (13) (PJ). S. ESSEX [18] Chelmsford, 8.7 (G. Wilkinson per BG); Thundersley, 17.7 (DGD/BG); North Chingford,

18.7 (B. Pateman per BG). N. ESSEX [19] Colchester, 28.6 (JF); Dovercourt, 4.7 (BG), 17.7 (CG); West Bergholt, 10.7 (JF/BG); Beaumont-cum-Moze, 18.7 (JBF); Stour Wood, 24.7 (PS). E. GLOUCESTER [33] Hempsted, 31.7 (G. Avery per RG).

***Antigastra catalaunalis* (Dup.) [I]**

E. KENT [15] Folkestone Warren, 22.9 (TR). S. ESSEX [18] Bradwell-on-Sea, 21.9 (AJD).

***Diasemia reticularis* (L.) [I]**

N. DEVON [4] Bideford, 30.7 (ASH).

***Diasemiopsis ramburialis* (Dup.) [I]**

S. ESSEX [18] Bradwell-on-Sea, 20.9 (AJD).

CHANNEL ISLANDS Guernsey: La Broderie, 19.8 (P. Costen *in* Austin, 2000).

***Duponchelia fovealis* Zeller**

S. HANTS [11] Southsea, 3.9 (Langmaid *in* Tunmore, 2000c).

***Palpita vitrealis* (Rossi) [I]**

W. CORNWALL [1] Lizard, 3.11 (MT); Mullion, 3.11 (Tunmore, 2000b); St Agnes, Scilly, 7.11 (Hale & Hicks, 2000). S. DEVON [3] Chardstock, August (A. Jenkins per RFM). DORSET [9] Portland Bird Observatory, 26-29.10 (5) (MC); IOW [10] Freshwater, 12.8, 25.8, 5.9, 27.10, 29.10, 31.10 (SAKJ), 3.11 (2) (DBW); Binstead, 3.11 (BJW). W. SUSSEX [13] Ferring, 27.10 (2) (THF); Walberton, 1.11 (JTR); Kingsham, 8.11 (SP). E. SUSSEX [14] Rye Harbour, 13.9 (PT). E. KENT [15] Ramsgate, 27.9, 29.10 (P. Milton *in* Solly, 2000); Densole, 9.10; Folkestone Warren, 29.10 (TR); Kingsgate, 1.11, 4.11 (Solly, 2000). S. ESSEX [18] Bradwell-on-Sea, 26.8, 23.9, 29.10 (AJD).

***Conobathra tumidana* ([D. & S.]) [I]**

W. SUSSEX [13] Walberton, 11.8 (JTR). E. KENT [15] Lydd, 29.6 (KR); New Romney, 2.8 (2) (SPC).

***Sciota hostilis* (Steph.) [I?]**

E. SUSSEX [14] Icklesham, 17.7 (IH det. MSP).

***Dioryctria abietella* ([D. & S.]) [I?]**

N. HANTS [12] Selborne, 9.7 (AA). E. KENT [15] Thanet, 26.6-4.8 (9) (Solly, 2000). N. ESSEX [19] Kirby-le-Soken, 17.7 (PBe); Great Horkesley, 17.7 (B. Harley per BG). S.E. YORK [61] Spurn, 2.6, 26.6, 2.7, 11 and 12.7 (BRS). CHANNEL ISLANDS Guernsey: La Chêne, 27.7 (TNDP *in* Austin, 2000).

***Dioryctria sylvestrella* (Ratz.) [I]**

E. KENT [15] Longrope Wood, 29.6 (JHC); Dymchurch, 30.7 (JO); New Romney, 30.7 (SPC). CHANNEL ISLANDS Jersey: St. Catherine, 31.7 (Long, 2000).

***Vitula biviella* (Zell.) [I?/R(t)?]**

E. KENT [15] Lydd, 1-17.7 (9) (KR); Greatstone, 1.7 (BB).

PAPILIONIDAE

***Papilio machaon* L. Swallowtail [I]**

IOW [10] Wootton, 28.8 (Knill-Jones, 2000). E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, 9.9 (Odin, 2000). CHANNEL ISLANDS Guernsey: Fort Doyle, 11.5; Les Tielles, 10.6 (A. Smith); Fort le Crocq, 23.7 (L. Thomson *in* Austin, 2000).

***Iphiclides podalirius* (L.) Scarce Swallowtail [I]**

CHANNEL ISLANDS Guernsey: St Martins 6.8 (C. David *in* Austin, 2000).

PIERIDAE***Colias croceus* (Geoff.) Clouded Yellow [I]**

E. CORNWALL [2] Ladock, 26.8 (J. Rule per RDP). S. DEVON [3] Tuckermarsh, 6.5 (RWB); Slapton, 12.8 (JHC). DORSET [9] Portland, 19.4-12.10 (8) (MC); W. SUSSEX [13] Thorney Island, 7.8 (2), 22.8, 29.8 (TW); Littlehampton, 13.8 (2) (R. Kemp per CRP); Worthing, 28.8 (B. Fordham per CRP); Ford, 29.8 (R. Kemp per CRP); Pagham, 4.9; Pilsey Island, 30.9 (TW). E. SUSSEX [14] Rye Harbour, 1.5 (B. Yates per CRP); Seaford, 1.8; Beachy Head, 1.8 (PW); Brighton, 4.8 (TW); Cuckmere Valley, 5.8 (PW); Eastbourne, 9.8 (D. Burroughs per CRP); Newhaven, 6 and 13.10 (PW). E. KENT [15] Newington, 2.8 (REL); Dungeness, 5.10, 25.10, 4.11 (per Dungeness Bird Observatory). S. ESSEX [18] Thundersley, 24.7 (DGD); Tillingham, 29.7 (I. Cotman per BG); Bradwell-on-Sea, 25.9, 13.10, 27.10 (Dewick, 2000). N. ESSEX [19] Harwich, 3.11 (G. Bond per BG). PEMBROKE [45] Skomer, 2.9 (Hayden, 2000).

WEXFORD [H12] The Raven, 12.7 (c. 25), 14.7 (2) (GRE).

CHANNEL ISLANDS Guernsey: 18.7-12.10 (9) (Austin, 2000).

NYMPHALIDAE***Aglais polychloros* (L.) Large Tortoiseshell [I?/In?]**

N. ESSEX [19] Brightlingsea, 28.8 (D. Scott per BG).

***Aglais antiopa* (L.) Camberwell Beauty [I]**

IOW [10] Newtown, 3.5 (Knill-Jones, 2000). E. SUFFOLK [25] Minsmere, 26.7 (Anon., 2000). BANFF [94] Duff House, August (RL); Portsoy, 3.9 (Mrs M. Williams per RL). ZETLAND [112] Scousburgh, 12.7 (Pennington & Rogers, 2000).

***Argynnis lathonia* (L.) Queen of Spain Fritillary [I]**

E. SUFFOLK [25] Minsmere, 17 and 18.7 (Anon., 2000).

***Danaus plexippus* (L.) Monarch [I]**

A detailed account of the large migration of September/October is given by Tunmore (2000a), and only additional records are given here. STAFFORD [39] Blithfield Reservoir, 6.10 (per D. Emley). IOM [71] Marown, early May (per GDC).

LASIOCAMPIDAE***Dendrolimus pini* (L.) Pine Tree Lappet [In?]**

S. ESSEX [18] Benfleet, larva, 20.7 (DGD).

GEOMETRIDAE***Aplasta ononaria* (Fuess.) Rest Harrow [I?/V?]**

W. SUSSEX [13] Walberton, 8.8 (JTR).

***Cyclophora puppillaria* (Hb.) Blair's Mocha [I]**

W. CORNWALL [1] Cadgwith, 2.11 (AG). IOW [10] Binstead, 19.9 (BJW). SURREY [17] Chessington, 9.10 (JP).

***Idea degeneraria* (Hb.) Portland Ribbon Wave [I?/V?]**

S. DEVON [3] Slapton Ley, 11.9 (RFM).

***Rhodometra sacraria* (L.) Vestal [I]**

W. CORNWALL [1] St Agnes, Scilly, 30.8, 10.9 (4) (Hale & Hicks, 2000); Lizard, 12-15.9 (3), 6-9.10 (3), 6-7.11 (5), 15.11, 25.11 (MT). S. DEVON [3] Abbotskerswell, 6.9, 11.9 (BPH); Dawlish, 29.9 (PF); Tuckermarsh, 7.10 (RWB); Starcross, 31.10 (AHD). DORSET [9] Portland Bird Observatory, 5.6, 2.9-9.10 (12), 8.11 (MC). IOW [10] Binstead, 12.8-12.11 (5) (BJW); Freshwater, 27.8 (DBW); Shanklin, 12.10 (J. Cheverton per SAKJ). S. HANTS [11] Hayling Island, 29.8-15.9 (5) (Phillips, 2000). N. HANTS [12] Selborne, 25.8, 29.8 (AA); Greywell, 22.10 (P. Boswell per AHD). W. SUSSEX [13] Walberton, 8.6, 11.8-28.9 (26) (JTR); Ferring, 1.7 (THF); Lyminster, 25.8 (R.E. Pratt per CRP); Kingsham, 2.9, 11.9, 25.9 (SP); Chichester, 7.9 (Drs Perry per CRP). E. SUSSEX [14] Icklesham, 18.7-9.10 (8) (PJ); Pett, 23.7 (PT); Rye Harbour, 4.8, 25.8-9.9 (15) (PT); Peacehaven, 25-27.8 (3), 20.9 (CRP); Ringmer, 30.8 (AKB). E. KENT [15] Wye Downs, 8.6 (PWA); New Romney, 21.8 (SPC), 27.8, 11.9 (KR); Greatstone, 25-26.8 (3) (BB); Kingsgate, 25.8, 28.8 (2) (Solly, 2000); Ramsgate, 27.8, 27.9 (P. Milyon in Solly, 2000); Dungeness, 27.8-3.9 (11) (DW); Lydd, 27.8-5.9 (5) (KR); Densole, 11.9 (2); Dungeness, 12.9 (3) (TR); Brookland, 19.9 (SPC); Littlestone, 8.10 (KR); Folkestone Warren, 28.10 (TR). SURREY [17] Buckland, 29.7, 25.8, 20.9, 8.10 (CH); West Molesey 26.8 (PRW). S. ESSEX [18] Bradwell-on-Sea, 19.7, 19.8-23.9 (10) (Dewick, 2000); Theydon Bois, 3.9, 5.9, 8.9 (JGG per BG). N. ESSEX [19] Hamford Water, 28.8 (J. Clifton per BG); Frinton-on-Sea, 28.8 (BL); Takeley, 29.8 (G. Sell per BG). BERKS [22] Fernham, 25.8-6.9 (14) (SN). W. NORFOLK [28] Magdalen, 31.8 (C. Sheppard per DH). BEDFORD [30] Dunstable Downs, 28.8 (R. Kemp). S.E. YORK [61] Spurn, 8.9 (BRS). WESTMORLAND [69] South Walney, 14.9 (Littlewood, 2000). IOM [71] Andreas, 2.8 (per GDC). CHANNEL ISLANDS Guernsey: Le Chêne, 1-8.9 (5); La Broderie, 2-21.9 (7), 20.10 (Austin, 2000).

***Orthonama obstipata* (Fab.) Gem [I]**

W. CORNWALL [1] St Agnes, Scilly, late July, 30.8, 10.9, 28.10 (5) (Hale & Hicks, 2000); Lizard, 25.9, 8-9.10 (2), 25-31.10 (6), 6-8.11 (40), 15.11 (MT). S. DEVON [3] Starcross, 24.10, 31.10 (AHD); Tuckermarsh, 29.10 (RWB). DORSET [9] Portland Bird Observatory, 9.7, 20.9 (3), 9.10, 28.10 (MC). IOW [10] Freshwater, 24.9, 7.10, 27.10, 28.10, 2.11 (SAKJ). S. HANTS [11] Hayling Island, 4.9 (Phillips, 2000). W. SUSSEX [13] Kingsham, 18.7, 24.8 (SP); Walberton, 11.9, 24.10, 31.10, 4.11 (JTR). E. SUSSEX [14] Rye Harbour, 2.8, 11.9, 28 and 29.10 (PT); Peacehaven, 21.9, 29.10 (2). E. KENT [15] Littlestone, 26.6, 20.9 (KR); Kingsgate, 7.8, 25.9, 29.9 (2) (Solly, 2000); Greatstone, 11.9 (BB); Dungeness, 12.9 (TR), 16.9, 21.9, 26.10, 28.10, 29.10 (DW); New Romney, 22.9, 9.10 (SPC), 25.10 (KR). SURREY [17] West Molesey, 10.7, 27.10 (PRW); South Croydon, 19.9 (GAC). S. ESSEX [18] Bradwell-on-Sea, 20.4, 21.9 (AJD). S.E. YORK [61] Kilnsea, 21.9 (DPB). IOM [71] Calf of Man, 21.9 (TB); Dhoon Maughold, 7.11 (per GDC).

***Thera cupressata* (Geyer) Cypress Carpet [I/R?]**

IOW [10] Binstead, 18.10-13.11 (11) (BJW). S. HANTS [11] Hayling Island, 15-25.6 (3), 31.10 (Phillips, 2000); Brockenhurst, 3.7 (JEC). E. KENT [15] Dungeness, 25.10 (1st Kent record) (DW).

***Triphosia dubitata* (L.) Tissue [I/V?]**

S. DEVON [3] Berry Head, 31.7 (no foodplant near) (BS/BPH).

***Ennomos autumnaria* (Werneburg) Large Thorn [R?/I?]**

S. HANTS [11] Hayling Island, 22.8-16.9 (4) (Phillips, 2000).

***Crocallis dardoinaria* Donzel Dusky Scalloped Oak [I?/R?]**

CHANNEL ISLANDS Guernsey: Icart, June (DJW), 8-12.9 (2) (TNDP).

***Peribatodes secundaria* (Esp.) Feathered Beauty [I?]**

W. SUFFOLK [26] Sicklesmere, 24.9 (S. Dumican).

SPHINGIDAE***Agrius convolvuli* (L.) Convolvulus Hawk [I]**

W. CORNWALL [1] Lizard, 12.9, 15.9 (3), 24-27.9 (5) (MT); St Agnes, Scilly, 13.9 (Hale & Hicks, 2000); Perranwell Station, 29.9 (A. Marshall per RDP). S. DEVON [3] Cullompton, 26.5 (MM); Lydford, August (2) (JH); Tuckermarsh, 17.9 (RWB); Dawlish, 20.9, 25.9 (PF). N. DEVON [4] Bideford, 11.9, 20.9 (ASH). DORSET [9] Portland Bird Observatory, 1.6, 2-19.8 (17), 29.10 (MC); Freshwater Bay, Portland, 7.9 (2) (MSP); Swanage, 17.9, 21.9 (2), 24.9 (2), 27.9 (RAS). IOW [10] Freshwater, 6.9 (SAKJ); Binstead, 24-26.9 (5) (BJW). W. SUSSEX [13] Walberton, 19-27.9 (4) (JTR); Littlehampton, 26.9 (R.E. Pratt per CRP). E. SUSSEX [14] Rye Harbour, 10.8, 20.9 (PT); Icklesham, 18.8, 11.9 (PJ/IH); Peacehaven, 21.8 (CRP); Ringmer, 8.9, 21.9 (AKB); Lewes, 23.9 (J. Holloway per CRP); Burgess Hill, 1.10 (TW); North Chailey, 10.10 (J. Brumell per CRP). E. KENT [15] Kingsgate, 20.7, 7.8, 28.8 (2), 11.9, 23.9, 26.9, 1.10 (Solly, 2000); Lydd, 29.8 (KR); Densole, 17.9, 20.9 (TR); New Romney, 20-22.9 (4) (KR); Folkestone Warren, 21.9 (TR); Margate, 1.10 (Mrs L. Bradley). S. ESSEX [18] Bradwell-on-Sea, 5-20.9 (7) (Dewick, 2000); Theydon Bois, 22.9 (JGG per BG). N. ESSEX [19] Dovercourt, 17.9, 18.9, 22.9, 23.9 (CG/PS). BERKS [22] Fernham, 11.9 and 19.9 (SN). E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, September (3) (Odin, 2000). E. NORFOLK [27] Eccles-on Sea, 22.8-23.9 (NB); Holt, 21.9 (G. Carrick per DH); Hindolveston, 22.9 (JC). E. GLOUCESTER [33] Longney, 17.8 (A. Stevens per RG). WORCESTER [37] Pershore, 27.9 (J. Meiklejohn). PEMBROKE [45] Skomer, 30.9 (Hayden, 2000). CHESTER [58] Hazel Grove (SJ9285), 14.9 (R. Grantham per SH). S. LANCASTER [59] Worsthorne, 1.7 (GG). W. LANCASTER [60] Lightfoot Green, 10.9, 21.9 (2) (SMP). S.E. YORK [61] Kilnsea, 8.7, 31.7, 13.8, 31.8, 1.9 (2) (DPB); Easington, 2.9 (per BRS); Spurn, 16.9 (BRS). MID-WEST YORK [64] Ripon, 9.9 (C. Fletcher). WESTMORLAND [69] South Walney, 11.9 (Littlewood, 2000); Witherslack, 12.9 (S. Bradley). IOM [71] Ramsey, 29.8, 25.9; Dhoon Maughold, 30.8; Ballacriy Colby, 30.8, 14.9; Ballaugh, 31.8; Ballaghennie Ayres, 3.9; Cloughbane Ramsey, 3.9; St Johns German, 24.9 (per GDC). BANFF [94] Macduff, 28.8 (3) (Mrs S. Hough per RL). ELGIN [95] Lossiemouth, 23.9 (Mr Savage per RL). ORKNEY [111] 30.8-24.9 (8) (Gauld, 2000). ZETLAND [112] 27.8-24.9 (18) (Pennington & Rogers, 2000). CHANNEL ISLANDS Guernsey: Le Chêne, 5.9, 8.9; Dehus Lane, 6.9; La Broderie, 6.9, 10.9, 20.9; Fort Doyle, 21.9 (Austin, 2000).

***Acherontia atropos* (L.) Death's-head Hawk [I]**

E. CORNWALL [2] Saltash, 27.8 (Griffiths *in* Tunmore, 2000c). S. DEVON [3] Staddon Point, 26.8 (Tucker *in* Tunmore, 2000c). DORSET [9] West Bexington, 13.6, 13.7 (RE *in* Sterling & Davey, 2000). IOW [10] Brighstone, 30.7 (per SAKJ). N. ESSEX [19] Bird's Green, 5.9 (R. Jones per BG); Dovercourt, 6.9 (PS). BUCKS [24] Winslow, larva in late September (Tunmore, 2000c). E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, 28.8 (Odin, 2000). GLAMORGAN [41] Bridgend, 29.9 (Mrs Miles *in* Tunmore, 2000c). DENBIGH [50] Betws-yn-Rhos, 26.9, dead in beehive (D. Clarkson). N.E. YORK [62] Redcar, 26.8 (per G. Megson). IOM [71] Ballasalla, 4.11, freshly dead (per GDC). ZETLAND [112] Lerwick, 27.8 (Pennington & Rogers, 2000). CHANNEL ISLANDS Guernsey: St Saviour, 28.10 (Austin, 2000).

***Hyloicus pinastri* (L.) Pine Hawk [I?/V?]**

DORSET [9] Portland Bird Observatory, 29.5, 12.7 (MC). S.E. YORK [61] Kilnsea, 7.7 (DPB).

***Macroglossum stellatarum* (L.) Humming-bird Hawk [I]**

W. CORNWALL [1] St Agnes, Scilly, 27.4, 28.4 (2) (Hale & Hicks, 2000); Lizard, 7.8, 13-17.9 (4), 9-12.10 (3), 27.10 (MT). E. CORNWALL [2] Ladock, 28.8 (J. Rule per RDP). S. DEVON [3] Prawle Point, May (M. Catt per RFM); Paignton, 26.6 (K. Brown per RFM); Chudleigh, 7.7, 29.9 (P. Hurst per RFM); Tuckermarsh, 12.7 (RWB); Holne, 28.7 (ME); Slapton, 12.8 (JHC); Berry Head, Brixham, 20.8 (2), 2.9 (ME); Teignmouth, 20.9 (RFM). N. DEVON [4] Hartland Point, 2.10 (PBu). DORSET [9] Portland, 31.5-28.10 (a very poor year, MC). IOW [10] Binstead, 3.6-3.10 (7) (BJW); Freshwater, 11.5 (DBW). S. HANTS [11] Hayling Island, 21.9 (Phillips, 2000). N. HANTS [12] Medstead, 16.3 (L. Frost per HM); Selborne, mid-August and early September (AA); Basingstoke, 19.9 (AHD). W. SUSSEX [13] Chichester, 8.1 (in a shop) (G. Barham per CRP), 12.2 (J. Russell-Smith per CRP), 17.7 (M. Perry per CRP); Hove, 17.3 (3) (RMC); Ford, 28.6 (R. Gahagan per CRP); Pagham, 23.8; Thorney Island, 27.8 (TW); Walberton, 9.9 (JTR). E. SUSSEX [14] Peacehaven, 26.5, 6-16.6 (5), 11.8, 19.8, 28.8, 6-12.9 (6), 21-22.9 (4), 28.9 (2), 11.10 (2) (CRP); Westfield, 31.5, 15.7 (R. Hobbs per CRP); Rye Harbour, 5.6, 9.7, 8.8, 19.8 (2), 25.8, 3.9, 24.9 (PT); Ringmer, 6.6, 11.9, 26.9 (AKB); Saltdean, 13.7 (per Booth Museum per CRP). E. KENT [15] Thanet, 15.6 (2), 5.7, 7.7, 11.9, 25.10 (Solly, 2000); Dungeness, 4.7, 11.7, 11.8, 16.8, 21.8, 30.8, 28.9 (per Dungeness Bird Observatory); Lydd, 20.8 (KR). W. KENT [16] Otford, 6.9 (larva), 9.9 (adult) (M. Matthews). SURREY [17] Croydon, 9.9 (1) (B. O'Brien); Rickwood Park, 11.10 (P. Follett per GAC). S. ESSEX [18] Corringham, 15.6 (Mrs King); Writtle, 20.6 (M.J. Green per BG); Bradwell-on-Sea, 3.7-10.10 (69), 14.7 (7 larvae) (Dewick, 2000); Ingatestone, 23.9 (G. Smith per BG). N. ESSEX [19] Dovercourt, 6.7, 12.9 (CG/PS); Jaywick, 15.7, 17.7, 25.7 (JY); Langenhoe, 25.7 (H. Owen per BG); Frinton-on-Sea, 18.9 (BL); Colchester, 5.9 (BG). E. SUFFOLK [25] Martlesham Heath, 18.7 (full grown larva) (HM); Sizewell, 30.7 (2 larvae) (MSP); Landguard Bird Observatory, Felixstowe, 12.9 (Odin, 2000). E. NORFOLK [27] Sheringham Park, 13.6, 30.6 (K. Zealand per DH); Hindolveston, 20.6 (JC); Caister-on-Sea, 17.7 (P. Heath per DH); Hainford, 24.7 (DH); Barnham Broom, 24.7, 17.8 (J. Geeson per DH); Hethersett, 22.8 (S. Parsett per DH); Norwich, 9.9 (M. Brooks per DH); Filby, 17.9 (J. Saul per DH); Bradwell, 26.9 (C. Walker per DH). W. NORFOLK [28] Boughton, 6.7 (per DH); Caston, 28.9 (G. Haggett per DH); Heacham, 28.9 (P. Cobb per DH). E. GLOUCESTER [33] Cheltenham, 3.6 (D. Haigh per RG); Edge Common, 22.6 (D. Rey per RG); Longney, 18.7 (A. Stevens per RG); Quedgely, 5.9 (M. King per RG); Gloucester, 16.9 (D. Rey per RG), and 29.9 (R. Pearce per RG). PEMBROKE [45] Skomer, 2.4, 25.6-7.7 (4) (Hayden, 2000). DERBY [57] Matlock, 3.7 (BLS). CHESTER [58] Higher Poynton (SJ945838), 5.7 (SH). S. LANCASTER [59] Waterloo, 22.12 (I. Wolfendon per SMP). S.E. YORK [61] Kilnsea, 18.7, 14.10 (DPB). IOM [71] Kirk Michael, 21.6; Port Erin, 26.6; Ballaugh, 19.7; Patrick, 6.8; Point of Ayre, 15.8; Sulby, 15.8 (3) (per GDC); Calf of Man, 27.8-21.9 (5) (TB); Cloughbane Ramsey, 25.9 (3) (per GDC). BANFF [94] Portnockie, 27.7 (M. Roberts per RL). WEXFORD [H12] Ballyteigne Burrows, 11.7 (6, including a pair in cop.); Grange Strand, 13.7; Curraclloe Dunes, 14.7); The Raven, 14.7 (GRE). CHANNEL ISLANDS Guernsey: 5.1-4.11 (37) (Austin, 2000).

***Hyles euphorbiae* (L.) Spurge Hawk [I]**

CHANNEL ISLANDS L'Eree, Guernsey, 6.8 (DJW).

***Hyles gallii* (Rott.) Bedstraw Hawk [I]**

E. KENT [15] Broadstairs, 14.8 (GM). S. ESSEX [18] Southend, 2.10 (larva) (DGD). E. SUFFOLK [25] Minsmere, 26.6 (Anon., 2000); Kelsale, 27.8 (Green *in* Tunmore, 2000c). E. NORFOLK [27] Holt, 27.5 (G. Carrick per DH). S.E. YORK [61] Kilnsea, 2.8 (DPB).

***Hyles livornica* (Esp.) Striped Hawk [I]**

IOW [10] Bonchurch, 6.1 (Knill-Jones, 2000). SURREY [17] Farnham, June, a larva found on antirrhinum (C. Wiskin). DERBY [57] Matlock, 1.6 (BLS).

THAUMETOPOEIDAE***Thaumetopoea processionea* (L.) Oak Processionary [I]**

CHANNEL ISLANDS Guernsey: Le Chêne, 23.8 (TNDP).

ARCTIIDAE***Pelosia muscerda* (Hufn.) Dotted Footman [I]**

E. KENT [15] Dymchurch, 4.8 (JO).

***Eilema sororcula* (Hufn.) Orange Footman [I?/V?]**

E. KENT [15] Dungeness, 9.4 (per SPC); Kingsgate, 27.5 (Solly, 2000). S. ESSEX [18] Theydon Bois, 5.5, 19.5 (2) (JGG per BG); Norwood Fyfield, 9.5 (G. Smith per BG). N. ESSEX [19] Dovercourt, 20.5 (CG); Coggeshall, 28.5 (BG).

***Lithosia quadra* (L.) Four-spotted Footman [I]**

W. CORNWALL [1] Cadgwith, 10.10 (Tunmore, 2000b). DORSET [9] Portland Bird Observatory, 12.9 (MC). IOW [10] Bonchurch, 6.7 (Knill-Jones, 2000). IOM [71] Ballacryry Colby, 19.7 (per GDC). CHANNEL ISLANDS Guernsey: Le Chêne, 5.7, 5 and 6.9; La Broderie, 31.8 (Austin, 2000).

***Euplagia quadripunctaria* (Poda) Jersey Tiger [I?/R(t)?]**

E. SUSSEX [14] Rye Harbour, 3.8 (2), 4.8, 10.8, 16.8 (PT).

***Callimorpha dominula* (L.) Scarlet Tiger [I?]**

E. SUSSEX [14] Rye Harbour, 5.7 (PT).

NOLIDAE***Meganola albula* ([D. & S.]) Kent Black Arches [I?/V?]**

N. ESSEX [19] Kirby-le-Soken, 6.7 (PBe); Abberton Reservoir, 24.7 (S.D. Wood per BG). E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, 16.7, 4.8 (Odin, 2000).

***Nola aerugula* (Hb.) Scarce Black Arches [I]**

E. SUSSEX [14] Rye Harbour, 2.7 (2) (PT); Icklesham, 4.7 (2) (PJ/IH). E. KENT [15] Dungeness, 3.7 (DW); New Romney, 4.7 (SPC); Lydd, 5.7 (KR). E. NORFOLK [27] Eccles-on-Sea, 12.7 (NB).

NOCTUIDAE***Agrotis crassa* (Hb.) Great Dart**

W. CORNWALL [1] Cury, 11.7 (R.T. Johns).

***Actebia praecox* (L.) Portland Moth [I?/V?]**

E. SUSSEX [14] Icklesham, 6.9 (PJ).

***Eurois occulta* (L.) Great Brocade [I]**

E. KENT [15] New Romney, 1.8 (KR). S.E. YORK [61] Spurn, 20.8 (BRS). ORKNEY [111] 21.8 (Gauld, 2000).

***Cerastis leucographa* (D. & S.) White-marked [I?]**

E. KENT [15] Lydd, 4.4 (KR).

***Sideridis albicolon* (Hb.) White Colon [R?]**

N. ESSEX [19] Dovercourt, 17.7 (CG).

***Hecatera dysodea* (D. & S.) Small Ranunculus [I?/V?]**

E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, 16.6 (Odin, 2000).

***Hadena luteago* (D. & S.) Barrett's Marbled Coronet [I?/V?]**

DORSET [9] Portland, 25.6 (D. Walbridge *in* Sterling & Davey, 2000).

***Orthosia miniosa* (D. & S.) Blossom Underwing [I?]**

W. CORNWALL [1] Lizard, 31.3 (MT). DORSET [9] Portland Bird Observatory, 1.4 (8), 2.4, 4.4 (3) (MC); Wimborne, 2.4 (J. Fradgley *in* Sterling & Davey, 2000); West Bexington, 3.4 (RE *in* Sterling & Davey, 2000); Tidmoor Range, 4.4 (PHS); Povington Wood, 8.4 (6) (PAD). E. SUSSEX [14] Icklesham, 1.4 (IH). E. KENT [15] Kingsgate, 1.4, 2.4 (2), 3.4 (4), 4.4, 8.4 (3); Dymchurch, 1.4, 4.4 (JO); Dungeness, 1.4 (3), 2.4 (KR); 3.4 (2) (DW/AGJB); New Romney, 1.4 (2), 3.4, 9.4 (KR/SPC); Densole, 2.4 (TR); Lydd, 3.4 (KR). S. ESSEX [18] Bradwell-on-Sea, 1-6.4 (13) (Dewick, 2000); Thundersley, 2.4 (DGD). N. ESSEX [19] Wivenhoe, 31.3 (M.P. Jackson per BG); St Osyth, 1.4 (2), 2.4 (4) (R.W. Arthur per BG); Mashbury, 3.4 (M. Tarrant per BG); Jaywick, 4.4 (JY); Kirby-le-Soken, 6.4, 7.4 (PBe); Frinton-on-Sea, 6.4 (BL). BERKS [22] Fernham, 3.4 (SN). E. NORFOLK [27] Eccles-on-Sea, 2, 8 and 11.4 (NB); Catfield, 4.4 (AB). W. NORFOLK [28] Great Ellingham, 2.4 (C. Knott per DH); Caudlesprings, 4.4 (G. Nobes per DH); Stiffkey, 5.4, 9.4 (T. Crafer per DH).

***Orthosia populeti* (Fab.) Lead-coloured Drab [I?]**

W. CORNWALL [1] Lizard, 5.4 (MT).

***Mythimna albipuncta* (D. & S.) White-point [I/R?]**

S. DEVON [3] Slapton Ley, 2.7 (BPH); Colaton Raleigh Common, 29.8 (PF). DORSET [9] Durlston Head, 27.5 (2) and 3.9 (2) (SN); Portland Bird Observatory, 10-25.6 (7), 31.7-21.9 (41) (MC). IOW [10] Binstead, 8.8, 11.8, 18.8 (BJW). S. HANTS [11] Hayling Island, 7.8-13.9 (19) (Phillips, 2000). W. SUSSEX [13] Walberton, 7.6, 8.8-3.11 (32) (JTR); Kingsham, 4.8-8.9 (6); Pagham, 29.8 (SP). E. SUSSEX [14] Peacehaven, 18.5, 7.8-10.9 (27) (CRP); Barcombe, 21.5 (J. Shaugnessy per CRP); Icklesham, 1.6-7.9 (34) (PJ); Seaford Head, 3.6 (SC); Rye Harbour, 6.6-19.9 (36) (PT), 29.8 (JHC); Eastbourne, 7.8 (2) (MSP). E. KENT [15] Folkestone Warren, 20.5; Densole, 3.6, 17.6 (TR); Kingsgate, 22.7-27.9 (29) (Solly, 2000); Newington, 2.9 (REL). S. ESSEX [18] Bradwell-on-Sea, 27.5-29.6 (16), 3.8-27.9 (84) (Dewick, 2000); Bradwell St Peters, 22.8 (G. Smith per BG). N. ESSEX [19] Beaumont-cum-Moze, 1.6, 3.9, 5.9 (2) (JBF); Kirby Cross, 4.6 (R. Marsh per BG); Dovercourt, 11.6 (CG); Frinton-on-Sea, 18.8 (BL); Jaywick, 30.8; 31.8 (JY). E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, 25.5 (Odin, 2000). E. NORFOLK [27] Catfield, 19.6 (AB); Eccles-on-Sea, 1.9 (NB). NORTHAMPTON [32] Daventry, 17.7 (K. Williams per BG).

***Mythimna vitellina* (Hb.) Delicate [I/R(t)?]**

W. CORNWALL [1] St Agnes, Scilly, 10.9 (5) (Hale & Hicks, 2000); Lizard, 12-17.9 (6), 30.9, 3.10, 24.10, 1.11 (MT). S. DEVON [3] Tuckermarsh, 17 and 18.9 (RWB).

N. DEVON [4] Hartland Point, 13.9 (DGG). DORSET [9] Portland Bird Observatory, 9.8-27.10 (66) (MC); Swanage, 21-22.9 (2) (RAS). IOW [10] Binstead, 18.5 (BJW); Freshwater, 23.6, 3.7, 25.9 (SAKJ). S. HANTS [11] Hayling Island, 14.9 (Phillips, 2000). W. SUSSEX [13] Arundel, 19.6 (JHC); Walberton, 17-24.9 (8) (JTR); Ferring, 20.9 (THF). E. SUSSEX [14] Icklesham, July (3), August (1), October (2) (PJ); Rye Harbour, 15-22.9 (11) (PT); Peacehaven, 19.9, 26.9 (CRP); Ringmer, 29.9 (2) (AKB). E. KENT [15] Kingsgate, 7.8, 28.9 (3) (Solly, 2000); Lydd, 6.9, 25.9, 7.10 (KR); Littlestone, 12.9, 19.9, 22.9 (KR); New Romney, 19.9, 20.9, 23.9 (KR); Greatstone, 20.9, 25.10 (BB); Dungeness, 20.9 (KR), 21.9, 23.9 (DW); Folkestone Warren, 21.9; Densole, 22.10 (TR); Newington, 29.10 (REL). SURREY [17] Lingfield, 19.9 (JHC). S. ESSEX [18] Bradwell-on-Sea, 21 and 22.9, 2.10, 10.10 (Dewick, 2000). E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, 24.9 (Odin, 2000). E. NORFOLK [27] Barnham Broom, 17.9 (J. Geeson per DH); Eccles-on-Sea, 20-22.9 (NB). PEMBROKE [45] Skomer, 22.8, 11.9 (Hayden, 2000). S.E. YORK [61] Kilnsea, 9.9 (DPB). IOM [71] Ballakinnag Michael, 23.7; Dhoon Maughold, 3 and 4.9 (per GDC).
CHANNEL ISLANDS Guernsey: 1.6-20.10, 80 moths from four sites (Austin, 2000).

***Mythimna pudorina* ([D. & S.] Striped Wainscot [R?])**

N. ESSEX [19] Dovercourt, 22.6 (CG).

***Mythimna l-album* (L.) L-album Wainscot [I]**

S. ESSEX [18] Bradwell-on-Sea, 14-24.9 (4) (AJD); Bradwell St Peters, 19.9 (G. Smith per BG). N. ESSEX [19] St Osyth, 7.9 (R.W. Arthur/PS); Dovercourt, 26.9 (D.M. Anthony per BG).

***Mythimna unipuncta* (Haw.) White-speck [I]**

W. CORNWALL [1] Lizard, 3.4, 15-30.9 (5), 25.10-30.11 (13); St Agnes, Scilly, 30.8 (3), 10.9 (2), 9.10 (11), 28.10 (11), 7.11 (17) (Hale & Hicks, 2000); Coverack, 18.9 (MT). S. DEVON [3] Abbotskerswell, 15.9 (BPH). DORSET [9] Portland Bird Observatory, 29.1, 15.9-9.10 (7), 29.11 (MC). IOW [10] Freshwater, 24.9, 3.11, 30.11 (SAKJ). E. KENT [15] Kingsgate, 29.9 (Solly, 2000). IOM [71] Calf of Man, 14.9 (TB).

***Mythimna loreyi* (Dup.) Cosmopolitan [I]**

W. CORNWALL [1] Lizard, 2-8.11 (8) (MT). DORSET [9] Portland Bird Observatory, 4.8, 28.10, 4.11 (MC); Wyke Regis, 8.11 (D. Foot *in* Sterling & Davey, 2000); West Bexington, 8.11, 14.11 (2) (RE *in* Sterling & Davey, 2000). IOW [10] (site not given) 8.11 (Knill-Jones, 2000). E. SUSSEX [14] Rye Harbour, 19.9 (PT).

***Leucochlaena oditis* (Hb.) Beautiful Gothic [I?]**

E. SUSSEX [14] Rye Harbour, 3.10 (PT).

***Xylena vetusta* (Hb.) Red Sword-grass [I?]**

N. ESSEX [19] Skippers Island, 7.10 (R. Marsh per BG).

***Xylena exsoleta* (L.) Sword-grass [I?/V?]**

ZETLAND [112] Fair Isle, 8.10 (Pennington & Rogers, 2000).

***Dryobota labecula* (Esp.) Oak Rustic [I]**

IOW [10] Freshwater, 15.10 (Rogers, 2000), 22.11 (SAKJ).

***Trigonophora flammea* (Esp.) Flame Brocade [I]**

DORSET [9] West Bexington, 25.10, 3.11 (RE *in* Sterling & Davey, 2000). IOW [10] Freshwater, 26.10 (SAKJ), and 28.10 (DBW).

***Conistra erythrocephala* ([D. & S.] Red-headed Chestnut [I])**

DORSET [9] Portland Bird Observatory, 3.11 (MC).

***Xanthia ocellaris* (Borkh.) Pale-lemon Sallow [I?]**

E. KENT [15] Kingsgate, 24.9 (Solly, 2000).

***Cryphia algae* (Fabr.) Tree-lichen Beauty [I]**

S. HANTS. [11] Northney, Hayling Island, 31.7 (JWP).

***Enargia paleacea* (Esp.) Angle-striped Sallow [I]**

E. NORFOLK [27] Holt Lowes, 7.7 (JC).

***Luperina dumerilii* (Dup.) Dumeril's Rustic [I]**

CHANNEL ISLANDS Guernsey: Icart Point, 1.9 (TNPD).

[*Hoplodrina superstes* (Ochs.) Powdered Rustic

E. KENT [15] Sheppey – Three specimens were reported as occurring in July in Fergusson (2001). It was later found that an error had occurred when entering the species' number and so this published record is erroneous.]

***Spodoptera exigua* (Hb.) Small Mottled Willow [I]**

W. CORNWALL [1] Lizard, 15.9, 3.11 (MT). DORSET [9] Portland Bird Observatory, 31.7, 19 and 20.9 (MC). W. SUSSEX [13] Kingsham, 13.6 (SP); Ferring, 20.9 (THF). E. SUSSEX [14] Hassocks, 16.9 (D. Dey per CRP); Peacehaven, 21.9 (CRP). E. KENT [15] Densole, 20.9 (TR); Dungeness, 25.9 (DW). S. ESSEX [18] Bradwell-on-Sea, 31.7, 21.9 (2) (AJD). S. LANCASTER [59] Longton, 17.7 (E. Roskell per SMP).

***Helicoverpa armigera* (Hb.) Scarce Bordered Straw [I]**

W. CORNWALL [1] Lizard, 9.8, 24-25.10 (2) (MT). S. DEVON [3] Berry Head, 30.6, a larva feeding on the seeds of yellow rattle (BPH); Colaton Raleigh Common, 29.8 (PF); Dawlish, 20.9, 7.10 (PF); Tuckermarsh, 11.11 (RWB). N. DEVON [4] Bideford, 8 and 9.9 (ASH). DORSET [9] Portland Bird Observatory, 31.8-27.10 (7) (MC). IOW [10] Bonchurch, 5.1 (Knill-Jones, 2000); Binstead, 8.8, 11.9, 1.11, 13.11 (BJW); Freshwater, 21.9, 25.9 (SAKJ). W. SUSSEX [13] Kingsham, 19.9 (SP); Walberton, 27 and 28.9, 31.10-8.11 (3) (JTR). E. SUSSEX [14] Peacehaven, 2 and 3.9, 25.9 (CRP); Rye Harbour, 17.9, 7.10 (PT). E. KENT [15] Littlestone, 29.8 (KR); Kingsgate, 16.9, 23.9 (2), 25.9, 27.9, 28.9 (3) (Solly, 2000); New Romney, 21.9 (2) (KR); Ramsgate, 24.9 (P. Milton *in* Solly, 2000). S. ESSEX [18] Bradwell-on-Sea, 5.9, 7.9, 19.9, 9.10, 11.10 (Dewick, 2000). N. ESSEX [19] Dovercourt, 24.9, 25.9 (2), 26.9 (CG); Langenhoe, 31.10 (H. Owen per BG). E. SUFFOLK [25] Landguard Bird Observatory, Felixstowe, 22 and 23.9, 27.10 (Odin, 2000). E. NORFOLK [27] Eccles-on-Sea, 7.9, 24.9 (NB). S. LANCASTER [59] Worsthorne, 21.9 (GG); Pennington, 23.9 (PC). S.E. YORK [61] Spurn, 23.9 (BRS). IOM [71] Calf of Man (SC1565), 10.9 (TB). CHANNEL ISLANDS Guernsey: Le Chêne, 30.8; La Broderie, 1-12.9 (5); L'Ancrese, 30.10 (Austin, 2000).

***Heliothis peligera* ([D. & S.] Bordered Straw [I]**

W. CORNWALL [1] Loe Pool, 10.4 (Tunmore, 2000b). S. DEVON [3] Teignmouth, 30.5 (RFM); Tuckermarsh, 29.8 (RWB). DORSET [9] Cheyne Weare, Portland, 4.8 (1 at buddleia) (MSP). IOW [10] (site not given) 6.8 (Knill-Jones, 2000). W. SUSSEX [13] Walberton, 13.8 (JTR). E. SUSSEX [14] Rye Harbour, 8.8 (2), 5.9, 11.9 (PT); Icklesham, 6.9 (PJ). E. KENT [15] Dungeness, 9.6, 14.6, 16.6 (DW/KR); Greatstone, 11.6 (BB); New

Romney, 19.7 (KR); Kingsgate, 24.7, 26.8 (Solly, 2000); Ramsgate, 9.8 (P. Milton *in* Solly, 2000). E. GLOUCESTER [33] Guiting Wood, 5.8 (J. Brock per RG).

CHANNEL ISLANDS Guernsey: Le Chêne, 29.5 (TNDP); Mount Durand, 6.8 (M. Lawlor *in* Austin, 2000).

***Heliothis nubigera* (H.-S.) Eastern Bordered Straw [I]**

S. DEVON [3] Thorverton, 5.1 (K. Bailey).

***Schinia scutosa* (D. & S.) Spotted Clover [I]**

E. KENT [15] Kingsgate, 7.8 (Solly, 2000). S.E. YORK [61] Kilnsea, 3.8 (DPB).

***Eublemma ostrina* (Hb.) Purple Marbled [I]**

W. CORNWALL [1] St Agnes, Scilly, 30.8 (Hale & Hicks, 2000). S. DEVON [3] Hopes Nose, Torquay, 11.6 (BD); Strete Gate Beach, Slapton, 2.7 (larvae) (RJH), 24.7 (larva *in* carline thistle, adult reared), 7.8 (pupa, reared) (BPH), 12.8 (pupae) (JHC); Branscombe, 27.7 (larvae) (RFM). DORSET [9] Swanage, 12.6 (R. Cox *in* Sterling & Davey, 2000); Portland Bird Observatory, 14.6 (MC); Freshwater Bay, Portland, 26.7 (larvae) (MSP); Cheyne Weare, Portland, 27.7 (larvae), 3.8 (pupae), 4.8 (1 at dusk) (MSP); Portland, 9.8 (larvae) (PHS); Church Ope Cove, Portland, 16.8 (1 at dusk) (MSP); Portland, 19.8 (larvae) (RRC). N. HANTS [12] Selborne, 1.11 (AA). E. GLOUCESTER [33] Stroud, 18.6 (C. Attaway per RG).

***Eublemma parva* (Hb.) Small Marbled [I]**

W. CORNWALL [1] Loe Pool, 31.10 (R. Howard *in* Tunmore, 2000b). S. DEVON [3] Orley Common, Ipplepen, 9.6 (ME). IOM [71] Dhoon Maughold, 25.9 (per GDC).

***Deltote bankiana* (Fab.) Silver Barred [I?/V?]**

E. KENT [15] Dymchurch, 4.7 (JO). S. ESSEX [18] Bradwell-on-Sea, 2.6, 2.7 (Dewick, 2000).

***Earis biplaga* (Walk.) Spiny Bollworm [I]**

E. KENT [15] Dungeness, 11.9 (1st Kent record) (DW).

***Earias insulana* (Boisd.) Egyptian Bollworm [I]**

DORSET [9] Portland Bird Observatory, 24.8 (1st Dorset record) (MC).

***Chrysodeixis chalcites* (Esp.) Golden Twin-spot [I]**

E. KENT [15] Kingsgate, 7.8 (2), 14.8, 23.8, 25.8, 28.8 (Solly, 2000); Ramsgate, 16.9, 30.9 (P. Milton *in* Solly, 2000). S. ESSEX [18] Bradwell-on-Sea, 1.9 (AJD). N. ESSEX [19] Dovercourt, 15.9 (CG).

***Trichoplusia ni* (Hb.) Ni Moth [I]**

E. KENT [15] New Romney, 9.8 (KR).

***Thysanoplusia orichalcea* (Fab.) Scarce Burnished Brass [I]**

S. DEVON [3] Dawlish, 20.9 (PF). E. KENT [15] Kingsgate, 4.11 (Solly, 2000).

***Macdunnoughia confusa* (Steph.) Dewick's Plusia [I]**

W. CORNWALL [1] Lizard, 1.10 (MT). S. HANTS. [11] Hayling Island, 25.9 (P. Durnell per JWP). S. ESSEX [18] Bradwell-on-Sea, 20.9 (AJD). MIDDLESEX [21] Staines, 9.10 (JM). CHANNEL ISLANDS Guernsey: La Broderie, 7.9 (P. Costen *in* Austin, 2000).

***Catocala fraxini* (L.) Clifden Nonpareil [I]**

DORSET [9] Puddletown, 20.9 (H. Wood Homer *in* Sterling & Davey, 2000). SALOP [40] Ellesmere, 5.8 (Hill *in* Tunmore, 2000c).

***Tyta luctuosa* (D. & S.) Four-spotted [I?]**

E. KENT [15] Dymchurch, 10.7 (JO).

***Parascotia fuliginaria* (L.) Waved Black [I?/V?]**

E. KENT [15] New Romney, 6.7 (per SPC).

***Hypena obsitalis* (Hb.) Bloxworth Snout [I?/R(t)?]**

W. CORNWALL [1] Lizard, 26.10 (MT). DORSET [9] Portland, 11.8 (D. Walbridge *in* Sterling & Davey, 2000); Portland Bird Observatory, 21.9 (MC); Portland, 27.10 (MSP).

***Pechipogo plumigeralis* (Hb.) Plumed Fan-foot [I?/R(t)?]**

W. SUSSEX [14] Rye Harbour 1.8 (PT). E. KENT [15] Greatstone, 20.7 (BB).

***Trisateles emortualis* (D. & S.) Olive Crescent [I]**

S. HANTS. [11] Grange Copse, Gosport, 8.7 (L. Marshall). E. KENT [15] Hamstreet, 9.7 (Kolaj *in* Tunmore, 2000c). S. ESSEX [18] Bradwell-on-Sea, 4.7 (Dewick, 2000).

ANNEX 2: SELECTED RECORDS OF COMMONER SPECIES

YPONOMEUTIDAE

***Plutella xylostella* (L.)**

Annual counts from fixed traps include: S. DEVON [3] Starcross (RIS) – 66 (AHD); DORSET [9] Portland Bird Observatory – 294 (MC); S.E. YORK [61] Spurn – 5 (BRS).

Earliest dates: S. DEVON [3] Exeter, 1.3 (PBu); IOM [71] Calf of Man, 19.3 (TB); S. LANCASTER [59] Pennington, 29.4 (PC)

Latest dates: N. HANTS [12] Selborne, 29.11 (AA); DORSET [9] Portland Bird Observatory, 30.11 (MC).

PYRALIDAE

***Udea ferrugalis* (Hb.)**

Annual counts from fixed traps include: S. DEVON [3] Starcross (RIS) – 23 (AHD); DORSET [9] Portland Bird Observatory – 206 (MC); S.E. YORK [61] Spurn – 1 (BRS).

Earliest dates: CHANNEL ISLANDS Guernsey, 20.1, 12.3 (Austin, 2000); W. CORNWALL [1] Lizard, 11.3 (Tunmore, 2000b); DORSET [9] Portland Bird Observatory, 31.5 (MC).

Latest dates: W. LANCASTER [60] Claughton (SD5666), 3.11 (MB); CHANNEL ISLANDS Guernsey, 7.11 (Austin, 2000); S.E. YORK [61] Spurn, 8.11 (BRS); DORSET [9] Portland Bird Observatory, 16.11 (MC); IOW [10] Freshwater, 23.11 (SAKJ); W. CORNWALL [1] Lizard, 26.11 (MT); S. DEVON [3] Exeter, 27.11 (PBu).

Other significant records: BANFF [94] Ordiqhill, 24.10 (RL).

***Nomophila noctuella* (D. & S.)**

Annual counts from fixed traps include: S. DEVON [3] Starcross (RIS) – 3 (AHD); DORSET [9] Portland Bird Observatory – 702 (MC); S.E. YORK [61] Spurn – 14 (BRS).

Earliest dates: DORSET [9] Portland Bird Observatory, 30.3 (MC); S. LANCASTER [59] Pennington, 13.5 (PC); S. DEVON [3] Exeter, 29.5 (PBu).

Latest dates: W. CORNWALL [1] Lizard, 2.12 (MT).

Other significant records: DORSET [9] Portland Bird Observatory, 22.9 (120) (MC); W. SUSSEX [13] Littlehampton, 22.9 (c.100) (R.E. Pratt per CRP).

NYMPHALIDAE***Vanessa atalanta* (L.) Red Admiral**

Earliest dates: S. ESSEX [18] Bradwell-on-Sea, 27.3 (Dewick, 2000); E. KENT [15] Thanet, 28.3 (Solly, 2000); DORSET [9] Portland Bird Observatory, 16.4 (MC); S. DEVON [3] Tuckermarsh, 25.6 (RWB).

Latest dates: W. CORNWALL [1] Cadgwith, 24.11 (MT); W. SUSSEX [13] & E. SUSSEX [14] several, 24-27.11 (per CRP); E. KENT [15] Folkestone Warren, 7.12 (TR); S. ESSEX [18] Bradwell-on-Sea, 9.12 (Dewick, 2000); DORSET [9] Portland Bird Observatory, 14.12 (MC); S. DEVON [3] Teignmouth, 27.12 (RFM).

Other significant records: N. HANTS [12] Basingstoke, 19.9, "small" migration to south-west (AHD). BANFF [94] Ordiquhill, 22.9, 74 flew south in one hour (RL). S.E. YORK [61] Spurn, 28.9, c.500 flew south (BRS).

***Vanessa cardui* (L.) Painted Lady**

Earliest dates: CHANNEL ISLANDS Guernsey: 6.1, 11.4 (Austin, 2000); S. ESSEX [18] Bradwell-on-Sea, 6.1 (Dewick, 2000); S.E. YORK [61] Spurn, 29.5 (BRS); DORSET [9] Portland Bird Observatory, 1.6 (MC); E. KENT [15] Densole, 7.6 (TR).

Latest dates: SURREY [17] Lingfield, 1.10 (JHC); S. ESSEX [18] Leigh-on-Sea, 1.10 (DGD); S.E. YORK [61] Spurn, 2.10 (BRS); S. ESSEX [18] Bradwell-on-Sea, 3.10 (Dewick, 2000); E. KENT [15] Thanet, 11.10 (Solly, 2000); DORSET [9] Portland Bird Observatory, 12.10 (MC).

Other significant records: BANFF [94] Ordiquhill, 22.9 (RL).

NOCTUIDAE***Agrotis ipsilon* (Hufn.) Dark Swordgrass**

Annual counts from fixed traps include: DORSET [9] Portland Bird Observatory – 674 (MC).

Earliest dates: W. CORNWALL [1] Loe Pool, 5.1 (Tunmore, 2000b); IOW [10] Bonchurch, 6.1 (J. Halsey); DORSET [9] Portland Bird Observatory, 30.3 (MC); IOM [71] Andreas, 5.4 (per GDC); CHANNEL ISLANDS Guernsey, 5.4 (Austin, 2000); SURREY [17] Lingfield, 23.4 (JHC); S. ESSEX [18] Ingatestone, 24.4 (G. Smith per BG); S.E. YORK [61] Spurn, 24.4 (BRS).

Latest dates: N. ESSEX [19] Langenhoe, 31.10 (H. Owen per BG); SURREY [17] Lingfield, 4.11 (JHC); DORSET [9] Portland Bird Observatory, 9.11 (MC); W. CORNWALL [1] Lizard, 30.11 (MT).

***Peridroma saucia* (Hb.) Pearly Underwing**

Annual counts from fixed traps include: DORSET [9] Portland Bird Observatory – 93 (MC); S.E. YORK [61] Spurn – 6 (BRS).

Earliest dates: S. DEVON [3] Plymouth, 2.1 (JHC); IOM [71] Calf of Man (SC1565), 31.3 (TB); DORSET [9] Portland Bird Observatory, 3.4 (MC); W. CORNWALL [1] Lizard, 4.4 (MT).

Latest dates: E. KENT [15] Densole, 3.11 (TR), Dungeness, 7.11 (DW); S. ESSEX [18] Bradwell-on-Sea, 8.11 (Dewick, 2000); DORSET [9] Portland Bird Observatory, 30.11 (MC); W. CORNWALL [1] Lizard, 5.12 (2) (MT).

Other significant records: IOM [71] Andreas, 24.6 (per GDC).

***Autographa gamma* (L.) Silver Y**

Annual counts from fixed traps include: S. DEVON [3] Starcross (RIS) – 7 (AHD); DORSET [9] Portland Bird Observatory – 1958 (MC).

Earliest dates: W. CORNWALL [1] Loe Pool, 4.1 (Tunmore, 2000b); S. DEVON [3] Exeter, 29.3 (PBu); DORSET [9] Portland Bird Observatory, 5.4 (MC).

Latest dates: W. CORNWALL [1] Lizard, 5.12 (MT); IOW [10] Freshwater, 17.12 (SAKJ).
 Other significant records: DORSET [9] Portland Bird Observatory, 4.9 (202) (MC); S.E.
 YORK [61] Spurn, 10.7 (c.200), 1.8 (c.500), 4.8 (c.1000), 26-29.8 (100-300/day) (BRS).
 IOM [71] Calf of Man, 29.9 (30) (TB).

Initials of recorders

AA	A. Aston	JEC	J. Chainey
AB	A. Beaumont (per DH)	JF	J. Firmin (per BG)
AGJB	A. G. J. Butcher	JGG	J. G. Green
AHD	A. H. Dobson	JH	J. Hale (per RFM)
AJD	A. J. Dewick	JHC	J. H. Clarke
AKB	A. K. Batten (per CRP)	JM	J. Muggleton
ASH	A. S. Henderson (per RFM)	JO	J. Owen
B&LS	B. & L. Brewsher (per RFM)	JP	J. Porter
BB	B. Banson (per SPC)	JS	J. Steeden (per SMP)
BD	B. Deakins (per RFM)	JTR	J. T. Radford (per CRP)
BG	B. Goodey	JWP	J. W. Phillips
BJG	B. J. Grabasky	JY	J. Young
BJW	B. J. Warne	KR	K. Redshaw (per SPC)
BL	B. Lock (per BG)	MB	M. Broomfield
BLS	B. L. Statham	MC	M. Cade
BPH	B. Henwood	ME	M. Edmonds (per RFM)
BRS	B. R. Spence	MM	M. Meehan (per RFM)
BS	B. Skinner	MSP	M. S. Parsons
CG	C. Gibson (per BG)	MT	M. Tunmore
CH	C. Hart	NB	N. Bowman (per DH)
CRP	C. R. Pratt	PAD	P. A. Davey
DBW	D. B. Wooldridge (per SAKJ)	PBe	P. Bergdahl (per BG)
DGD	D. G. Down (per BG)	PBu	P. Butter
DGG	D. G. Green	PC	P. Cleary-Pugh (per SMP)
DH	D. Hipperson	PF	P. Franghiadi (per RFM)
DJW	D. Wedd	PH	P. Harris (per BG)
DPB	D. P. Boyle (per BRS)	PHS	P. H. Sterling
DW	D. Walker (per SPC)	PJ	P. Jones
GAC	G. A. Collins	PRW	P. R. Williams
GDC	G. D. Craine	PS	P. Smith (per BG)
GG	G. Gavaghan (per SMP)	PT	P. Troake (per CRP)
GM	G. Martin	PW	P. Wilson (per CRP)
GRE	G. R. Else	PWa	P. Waring
HM	H. Mendel	RAS	R. A. Softly
ICR	I. C. Rose (per BG)	RDP	R. D. Penhallurick
IH	I. Hunter (per CRP)	RE	R. Eden
JBF	J. B. Fisher (per BG)	REL	R. E. Lane
JC	J. Clifton	RFM	R. F. McCormick

RFM	R. F. McCormick	SH	S. Hind
RG	R. Gaunt	SMP	S. M. Palmer
RJH	R. J. Heckford	SN	S. Nash
RL	R. Leverton	SP	S. Patton
RMC	R. M. Craske (per CRP)	SPC	S. Clancy
RRC	R. R. Cook	TB	T. Bagworth
RWB	R. W. Bogue	THF	T. H. Freed
SAKJ	S. A. Knill-Jones	TNDP	T. N. D. Peet
SB	S. Busuttill	TR	T. Rouse
SC	S. Curson (per CRP)	TW	T. Wilson (per CRP)

Corrections and addenda to 1997 account

The following corrections are made to the 1997 report, presented in Skinner & Parsons (2000).

Loxostege sticticalis (L.)

ZETLAND (Shetland Islands) [112] date of specimen at Burrafirth should be 15.8 (per M. Pennington).

Macroglossum stellaturum (L.) Humming-bird Hawk

ADD: ZETLAND [112] Fair Isle, 10.7 (per M. Pennington).

Syngrapha interrogationis (L.) Scarce Silver Y

ZETLAND [112] date of both Shetland specimens should be 14.8 (per M. Pennington).

Corrections and addenda to 1998 account

The following corrections are made to the 1998 report, presented in Skinner & Collins (2000).

Tebenna micalis (Mann) [I/R(t)]

ADD: DORSET [9] Charmouth, 3.9 (12 larvae) (MSP). W. SUSSEX [13] Atherington, 14.10 (3 larvae) (MSP).

Orthonama obstipata (Fab.) Gem [I]

ADD: ZETLAND [112] Foula, 21.9 (Pennington & Rogers, 2000).

Acherontia atropos (L.) Death's-head Hawk [I]

ADD: E. GLOUCESTER [33] Miserden, 8.7, dead in a bee hive (B. Summers per RG).

Xanthia gilvago ([D. & S.]) Dusky-lemon Sallow [I?/V?]

ADD: ZETLAND [112] Eswick, 6.9 (Pennington & Rogers, 2000).

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